

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) An airbag system for a vehicle having sensors that detect ~~at least one of~~ an accident-specific variable and a person-specific variable, the system comprising:

an airbag;

a deployment arrangement adapted to fill the airbag with gas when the deployment arrangement interprets an event as an impact against an obstacle, the deployment arrangement including:

independently deployable first and second chambers, the first chamber being capable of filling the airbag with a larger quantity of gas than the second chamber, wherein the deployment arrangement is configured to determine whether to deploy the first or second chamber first on the basis of an evaluation of the at least one of an accident-specific variable and a and the person-specific variable, wherein the sensors include sensors for detecting a body size, a body weight, a sitting position and an out-of-position signal, and wherein the person-specific variable is determined as a function of the body size, the body weight, the sitting position and the out-of-position signal.

2. (original) The airbag system according to claim 1, wherein the sensors include sensors for detecting at least one of an actual vehicle speed and a relative vehicle speed, and wherein the deployment arrangement is configured to determine whether to deploy the first or second chamber first on the basis of an evaluation of at least one of an crash angle and a crash severity, each of the crash angle and crash severity being determined as a function of at least one of vehicle type, the actual vehicle speed and the relative vehicle speed.

3-6. (cancelled)

7. (original) The airbag system according to claim 2, wherein a delay between the deployment of the first and second chambers is determined on the basis of severity and nature of a crash.

8. (original) The airbag system according to claim 1, wherein a delay between the deployment of the first and second chambers is determined on the basis of severity and nature of a crash.

9. (currently amended) A method for deploying an airbag system for a vehicle having sensors that detect ~~at least one of~~ an accident-specific variable and a person-specific variable, the airbag system including airbag and a deployment arrangement adapted to fill the airbag with gas when the deployment arrangement interprets an event as an impact against an obstacle, the deployment arrangement including independently deployable first and second chambers, the first chamber being capable of filling the airbag with a larger quantity of gas than the second chamber, the method comprising:

evaluating ~~the at least one of an~~ the accident-specific variable ~~and a~~
and the person-specific variable;

determining whether to deploy the first or second chamber first using
~~the at least one of an~~ the accident-specific variable ~~and a~~ and the person-specific
variable; ~~and~~

deploying the first and second chambers in the determined sequence to
fill the airbag with gas when the deployment arrangement interprets an event as an
impact against an obstacle; and

detecting a body size, a body weight, a sitting position and an out-of-
position signal using at least one of the sensors, and wherein the step of evaluating
the accident-specific variable and the person-specific variable includes evaluating a
person type as a function of the body size, the body weight, the sitting position and
the out-of-position signal.

10. (currently amended) The method according to claim 9 further comprising detecting at least one of an actual vehicle speed and a relative vehicle speed using at least one of the sensors, and wherein evaluating ~~the at least one of an~~ the accident-specific variable ~~and a~~ and the person-specific variable includes evaluating at least one of a crash angle and a crash severity as a function of at least one of vehicle type, the actual vehicle speed and the relative vehicle speed.

11. (cancelled)

12. (original) The method according to claim 9 further comprising determining a delay between the deployment of the first and second chambers on the basis of severity and nature of a crash.

13. (new) An airbag system for a vehicle having sensors that detect an accident-specific variable and a person-specific variable, the system comprising:

an airbag;

a deployment arrangement adapted to fill the airbag with gas when the deployment arrangement interprets an event as an impact against an obstacle, the deployment arrangement including:

independently deployable first and second chambers, the first chamber being capable of filling the airbag with a larger quantity of gas than the second chamber, wherein the deployment arrangement is configured to determine whether to deploy the first or second chamber first on the basis of an evaluation of the accident-specific variable and the person-specific variable, wherein the sensors include sensors for detecting an actual vehicle speed and a relative vehicle speed, and wherein the deployment arrangement is configured to determine whether to deploy the first or second chamber first on the basis of an evaluation of a crash angle and a crash severity, each of the crash angle and crash severity being determined as a function of vehicle type, the actual vehicle speed and the relative vehicle speed.

14. (new) A method for deploying an airbag system for a vehicle having sensors that detect an accident-specific variable and a person-specific variable, the airbag system including airbag and a deployment arrangement adapted to fill the airbag with gas when the deployment arrangement interprets an event as an impact against an obstacle, the deployment arrangement including independently deployable first and second chambers, the first chamber being capable of filling the airbag with a larger quantity of gas than the second chamber, the method comprising:

evaluating the accident-specific variable and the person-specific variable;

determining whether to deploy the first or second chamber first using the accident-specific variable and the person-specific variable;

deploying the first and second chambers in the determined sequence to fill the airbag with gas when the deployment arrangement interprets an event as an impact against an obstacle; and

detecting at least an actual vehicle speed and a relative vehicle speed using at least one of the sensors, and wherein evaluating the accident-specific variable and the person-specific variable includes evaluating at least one of a crash angle and a crash severity as a function of at least one of vehicle type, the actual vehicle speed and the relative vehicle speed.